

CLAIMS

1. A child seat (1) for vehicles, characterised in that it
 - essentially comprises an inflatable seating cushion (7) and/or an inflatable back part (8),
 - the seating cushion (7) and/or the back part (8) unfold automatically in the presence of pressurisation,
 - can be stowed in the interior of a vehicle in a space-saving manner in the essentially empty state.
2. The child seat (1) for vehicles according to claim 1, characterised in that it can be stowed in an opening (5) in the vehicle interior and the opening (5) can be arranged in
 - a backrest (4) of a vehicle seat,
 - the seating area (3) of a vehicle seat,
 - a side panel,
 - a door,
 - in the vehicle floor or
 - in an armrest.
3. The child seat (1) for vehicles according to claim 1, characterised in that the opening (5) can be closed with a closure element (6) in a flush and form-fit manner.
3. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that it can be emptied with a vacuum pump (12).

4. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that the closure element (6)
 - protects the child seat (1) in the stowed, empty state,
 - is connected detachably or permanently to the underside of the seating area (7) or the rear side of the back part (8) of the child seat (1) and positions the child seat (1) in the opened state.
5. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that a recess (21) is present at least on one side in the shoulder region of the child seat (1) for the wearing of a three-point belt or a recess (21) is provided on both sides for the wearing of a four-point belt.
6. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that, in the pressurised state of the child seat (1), a part of the envelope (2) projects as a pocket (17) into the opening (5) and wedges and positions the child seat (1).
7. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that the seating cushion (7) and the back part (8) are each separate air cushions which can be connected detachably to one another, or that the seating cushion and the back part are formed from a single air cushion.

8. The child seat (1) for vehicles according to claim 7, characterised in that the detachable connections are produced with Velcro fastenings (18) or press-studs (20).
9. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that different sizes and shapes of the seating cushion (7) and the back part (8) can be incorporated, and the child seat (1) can thus be continuously adapted to a child's physical dimensions.
10. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that means are present for the pressurisation and emptying of the child seat (1), said means comprising a pressure gas store (11), a vacuum pump (12) and a directional control valve (13), which can be controlled with a pressure sensor (16) and a control console (15) with at least one switch.
11. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that its envelope (2)
 - is gas-tight and
 - has, in its interior, ribs (9) which give it its external shape in the pressurised state.
12. The child seat (1) for vehicles according to claim 11, characterised in that the envelope (2) is made from a PU film or a PU-coated, PU-laminated or PU-flocked textile material.

13. The child seat (1) for vehicles according to any one of the preceding claims, characterised in that a removable cover (19) is fitted around the seating cushion (7) and around the back part (8).